

Mark G. Nitz P.E.
Environmental Specialist
Chalk Point Generating Station
25100 Chalk Point Road
Aquasco, MD 20608
Office: 301-843-4439
Mobile: 240-299-2096

Certified Mail Return Receipt Requested 7010 1870 0002 8028 3081

Ms. Martha Hynson Maryland Department of the Environment Land Management Administration 1800 Washington Boulevard, Suite 605 Baltimore MD 21230-1719

February 28, 2018

Re: 2017 CCB Tonnage Report for GenOn Mid-Atlantic, LLC's Chalk Point Generating Station.

Dear Ms. Hynson,

Pursuant to COMAR 26.04.10.08, enclosed please find the 2017 CCB Tonnage Reports for GenOn Mid-Atlantic, LLC's Chalk Point Generating Station.

If you have any questions regarding this report, please contact me at 301-843-4439, or at mark.nitz@genon.com.

Regards,

Mark Nitz

Environmental Specialist

msis

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MAR 08 2018

LAND MANAGEMENT ADMIN. SOLID WASTE PROGRAM

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Land Management Administration • Solid Waste Program

1800 Washington Boulevard • Suite 605 • Baltimore Maryland 21230-1719

410-537-3315 • 800-633-6101 x3315 • www.mde.maryland.gov

Coal Combustion Byproducts (CCBs) Annual Generator Tonnage Report Instructions for Calendar Year 2017

The following is general information relating to the requirement for reporting quantities of coal combustion byproducts (CCBs) that were managed in the State of Maryland during calendar year 2017. Please answer the questions on the form provided, attaching additional information and any requested supplemental information to the back of the form. Note that the form for this year requires both volume and weight of the CCBs produced. If you know one of these parameters but not the others, for example, you have the tonnage produced but not the volume, you may calculate the other parameter; however, please provide the calculations and assumptions that you used in your estimate. Questions can be directed to the Solid Waste Program at (410) 537-3315 or via email at ed.dexter@maryland.gov.

I. Background. This requirement that generators of CCBs submit an annual report was instituted in the Code of Maryland Regulations COMAR 26.04.10.08, that was promulgated effective December 1, 2008. The regulation requires that any non-residential generator of CCBs submit a report to the Department by March 1 of each year describing the manner in which CCBs generated within the State were managed during the preceding calendar year. Additional information and specific instructions follow. For more detailed information, please refer to COMAR 26.04.10.08.

II. General Information and Applicability.

A. Definitions. CCBs are defined in COMAR 26.04.10.02B as:

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- "(3) Coal Combustion Byproducts. (a) "Coal combustion byproducts" means the residue ROGRAM generated by or resulting from the burning of coal.
- (b) "Coal combustion byproducts" includes fly ash, bottom ash, boiler slag, pozzolan, and other solid residuals removed by air pollution control devices from the flue gas and combustion chambers of coal burning furnaces and boilers, including flue gas desulfurization sludge and other solid residuals recovered from flue gas by wet or dry methods."

A generator of CCBs is defined in COMAR 26.04.10.02B as:

- "(9) Generator.
- (a) "Generator" means a person whose operations, activities, processes, or actions create coal combustion byproducts.
- (b) "Generator" does not include a person who only generates coal combustion byproducts by burning coal at a private residence."

08-Dec-16 TTY Users: 800-735-2258 B. Applicability. If you or your company meets the definition of a generator of CCBs as defined above, you must provide the information as required below. For the purposes of this report, "you" shall hereinafter refer to the generator defined above. Please note that COMAR 26.04.10.08 requires generators of CCBs to submit an annual report to the Department concerning the disposition of the CCBs that they generated the previous year. THIS INCLUDES CCBS THAT WERE NOT SEPARATELY COLLECTED BUT WERE PRODUCED BY THE BURNING OF COAL AND WERE DIRECTLY CONTRIBUTED TO A PRODUCT, such as cement. Where the amount cannot be directly measured, estimates based on the amount of coal burned can be used. The method of determining the volume of CCBs produced must be described.

III. Required Information. The following information must be provided to the Department by March 1, 2018:

A. Contact information:			
Facility Name: Chalk Poi	nt Generating Station		
Name of Permit Holder: N	RG Chalk Point LLC	<u> </u>	
Facility Address: 25100 E		treet	
Facility Address: Aquasco		Maryland State	20608 Zip
County: Prince George's	County		
Contact Information (Pers	on filing report or En	vironmental Manager)	
Facility Telephone No.: 3	01-843-4100	Facility Fax No.: 301-	-843-4281
acility Name: Chalk Point Generating Station Jame of Permit Holder: NRG Chalk Point LLC acility Address: 25100 Eagle Harbor Road Street acility Address: Aquasco Maryland 20608			
Contact Title: Environme	ntal Specialist		
Contact Address: 25100 F		treet	
)		
Contact Email: Mark.Nitz	@genon.com		
Contact Telephone No.: 3	01-843-4439	Contact Fax No.: 301	-843-4156

For questions on how to complete this form, please contact the Solid Waste Program at 410-537-3315

B. A description of the process that generates the CCBs, including the type of coal or other raw material that generates the CCBs. If the space provided is insufficient, please attach additional
pages:
See Attachment A.

C. The volume and weight of CCBs generated during calendar year 2017, including an identification of the different types of CCBs generated and the volume of each type generated. If the space provided is insufficient, please attach additional pages in a similar format. If converting from volume to weight or weight to volume, please provide your calculations and assumptions.

<u>Table I: Volume and Weight of CCBs Generated for Calendar Year 2017:</u> Please note the change to this table from previous years, to include both the volume and weight of the types of CCBs your facility produces.

Volume and	Weight of CCBs Ger	nerated for Calenda	ar Year 2017	
Flyash Type of CCB	Bottom Ash Type of CCB	On-Spec Gypsum Type of CCB	Off Spec Gypsum Type of CCB	WWTP Fines Type of CCB
13,564 Volume of CCB, in Cubic Yards	1,057 Volume of CCB, in Cubic Yards	11,845 Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards
13,564 Weight of CCB, in Tons	1,057 Weight of CCB, in Tons	23,139 Weight of CCB, in Tons	1,349 Weight of CCB, in Tons	Weight of CCB, in Tons

Facility Name: Chalk Point Generating Station CCB Tonnage Report - 2017

Additional notes:

CCB Tonnages are reported in dry short tons. CCB volumes are reported in dry Cubic Yards.

WWTP Tons represent fines from the Flue Gas Desulfurization's Waste Water Treatment

Volumes of Flyash in Dry Cubic Yards are calculated from dry short tons using a density of 1.0

Tons/Dry CY.

Volumes of Bottom Ash in Dry Cubic Yards are calculated from dry short tons using a density of 1.0 Tons/Dry CY.

Volumes of On-Spec Gypsum, Off-Spec Gypsum and WWTP Fines are calculated from dry short tons using a density of 1.95 Tons/Dry CY.

- D. Descriptions of any modeling or risk assessments, or both, conducted relating to the CCBs or their use that were performed by you or your company during the reporting year. Please attach this information to the report.
- E. Copies of all laboratory reports of all chemical characterizations of the CCBs. Please attach this information to the report.
- F. A description of how you disposed of or used your CCBs in calendar year 2017, identifying:
- (a) The types and volume of CCBs disposed of or used (if different than described in Paragraph C above) including any CCBs stored during the previous calendar year, the location of disposal, mine reclamation and use sites, and the type and volume of CCBs disposed of or used at each site:

FlyAsh: 13,564 tons of flyash were generated at Chalk Point in 2017 and sent to Morgantown for processing at the STAR Facility, where Morgantown flyash and Chalk Point flyash are comingled and injected into the Staged Turbulent Air Reactor (STAR) as a fuel to produce flyash that is suitable for beneficial uses. During the STAR process, the mass and volume of ash injected is reduced as Carbon and moisture are released from the ash, and the resulting beneficiated ash is sent to the Morgantown storage dome for sale and shipment by the SEFA Group, headquartered in Columbia, SC for beneficial use. The 13,564 tons of Chalk Point ash were reduced to 11,736 tons, and 6,206 tons were stored on-site at the end of 2016. Of this total 12,144 tons of dry flyash,(808 tons of which were sold in Maryland for beneficial use, and 11,336 tons of which were sold in seven other states for beneficial use), and a total of 5,798 tons were stored on-site at the end of 2017.

BottomAsh: 1,057 tons of dry bottom ash were generated at Chalk Point in 2017, of which 158 tons were disposed of at the Brandywine Ash Site, located in Prince George's Co., Md, and 899 tons of which were disposed of at Waste Management's Amelia Landfill located in Jetersville, Va..

On-Spec Gypsum generated at Chalk Point in 2017 was 23,139 tons. A total of 2,867 tons were stored on-site at the end of 2017, and 281 tons were stored on-site at the end of 2016. Of this total, 20,553 dry tons were sold to and transported by barge to Continental, Inc, located in Buchanan, NY.

Facility Name: Chalk Point Generating Station CCB Tonnage Report - 2017 Off-Spec Gypsum generated in 2017 was 1,349 tons, all of which was disposed of at Waste Management's Amelia Landfill located in Jetersville, Va. WWTP Fines produced in 2017 was 105 tons, all of which was disposed of at Waste Management Inc's Amelia Landfill, located in Jetersville, Va. and (b) The different uses by type and volume of CCBs: On-Spec Gypsum: Volume: 20,553 tons sold. Use: Wallboard Flyash: 12,144 tons sold. Use: Cementitous material for concrete products. If the space provided is insufficient, please attach additional pages in a similar format. G. A description of how you intend to dispose of or use CCBs in the next 5 years, identifying: (a) The types and volume of CCBs intended to be disposed of or used, the location of intended disposal, mine reclamation and use sites, and the type and volume of CCBs intended to be disposed of or used at each site: FlyAsh: Approximately 13,500 tons/year to be generated and sent to the Morgantown STAR facility for processing. Bottom Ash: Anticipate 1,060 tons/year to be generated and sent to the Brandywine Ash Site, located in Prince George's Co., Md, for disposal. On-Spec Gypsum: Anticipate approximately 23,000 tons/year to be generated and sold to Continental, located in Buchanan, NY.for beneficial use. Off-Spec Gypsum: Approximately 1,300 tons/year to be generated and disposed of at Waste Management's Amelia Landfill located in Jetersville, Va. WWTP Fines: Approximately 100 tons/year to be generated and disposed of at Waste Management's Amelia Landfill located in Jetersville, Va. and (b) The different intended uses by type and volume of CCBs. On-Spec Gypsum: Volume: 23,000 tons/year to be sold. Use: Wallboard

If the space provided is insufficient, please attach additional pages in a similar format.

Use: Cementitious material for concrete products.

02-Jan-18

Volume: 12,000 tons/year to be sold.

Flyash:

IV. Signature and Certification. An authorized official of the generator must sign the annual report, and certify as to the accuracy and completeness of the information contained in the annual report:

This is to certify that, to the lany attached documents are t	pest of my knowledge, the information contained in rue, accurate, and complete.	this report and
	Greg Staggers, General Manager, Chalk Point Generating Station 301-843-4121	
Signature	Name, Title, & Telephone No. (Print or Type)	Date
	Snyr Typgregory.staggers@genon.com	2/28/18
	Your Email Address	

V: Attachments (please list):

A)Chalk Point Generating Station Process Description
B)Microbac Report #17H1575: Analyses for Fly Ash, Bottom Ash, Off- Spec Gypsum and WWTP Fines

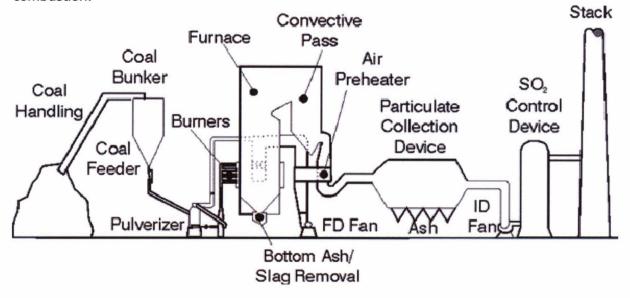
Attachment A

Chalk Point Generating Station 25100 Eagle Harbor Road, Aquasco, Prince George's County, MD. 20608 301-843-4100

The Chalk Point Generating Station is located on the Patuxent River at Swanson's Creek in Prince George's County, MD. The facility is engaged in the generation of electrical energy for sale. The primary SIC code is 4911. There are two coal burning, opposite wall fired units each with a superheater, double reheat and economizer and each rated at 365 MWs (base loaded). The primary fuel for these boilers is bituminous coal. Pollution control devices on Unit 1 include low NOx burners with Separated Over-Fired Air (SOFA), and Selective Catalytic Reduction (SCR) for control of oxides of nitrogen (NOx); and electrostatic precipitators (ESP) for the control of particulate matter. Pollution control devices on Unit 2 include low NOx burners with Separated Over-Fired Air (SOFA), and Selective Auto-Catalytic Reduction (SACR) for control of oxides of nitrogen (NOx); and electrostatic precipitators (ESP) for the control of oxides of nitrogen (NOx); and electrostatic precipitators (ESP) for the control of particulate matter. A Wet Scrubber (FGD) was installed and went in service on both units in late 2009. Units 1 & 2 exhausts through the scrubber stack or, when the FGD is not in service, through a common single stack.

Coal is currently delivered by rail. The rail cars are emptied using a rotary dumper then transferred by conveyor and dravo to either a storage pile or is fed directly to the units' bunker.

The illustration below shows a simple schematic diagram for a typical pulverized coal combustion system. The coal is prepared by grinding to a very fine consistency for combustion.



Attachment A

The CCBs currently produced and used are a result of the combustion of pulverized coal.

Ash is formed in the boiler while coal combusts. In general, pulverized coal combustion results in approximately 10% ash, of which 65%–85% is fly ash, and the remainder is coarser bottom ash. Bottom ash is a coarse material and falls to the bottom of the boiler. Fly ash is finer than bottom ash and is carried along the combustion process with flue gas. Particulate collection devices remove fly ash from the flue gas and the collected ash is transferred to one of two ash silos. Flyash that is not marketed is sent to the Brandywine Ash Site, located in Prince George's County, MD. The bottom ash is conveyed out of the bottom of the boiler via a wet sluice system to hydrobins, where the water is then decanted and the bottom ash sent to the Brandywine Ash Site.

Gypsum is a byproduct of SO2 removal by the Flue Gas Desulfurization (FGD) system, commonly known as a scrubber. Chalk Point uses wet scrubbers for SO2 removal. Wet scrubbing uses a slurry of limestone alkaline sorbent to remove SO2 from the air stream. The byproduct - gypsum - is conveyed to a storage dome temporarily where it is then delivered by rail to the Morgantown Station and sent to Buchanan, New York to be made into wallboard. Gyspum that doesn't meet the specifications for wallboard production is transported for disposal to Waste Management's Amelia Landfill in Virginia. Waste Water Treatment Plant Fines (WWTP Fines) are removed from the Scrubber's WWTP as needed and transported to Waste Management's Amelia Landfill in Virginia for disposal.



Baltimore Division
2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800 Fax: 410-633-6553 www.microbac.com

September 12, 2017 Report No.: 17H1575

COVER LETTER

Greg Conden NRG Energy - Chalk Point Gen. Sta. 25100 Chalk Point Road Aquasco, MD 20608

RE: Chalk Point-FGD Special Yearly

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 08/22/2017 15:00.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results

Final report reviewed by:

- Certifications/Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

Melanie C. Duszynski/Project Manager Report issue date

All samples received in proper condition and results conform to ISO 17025 and TNI NELAC standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact Melanie C. Duszynski/Project Manager at 410-633-1800. You may also contact Trevor Boyce, President at trevor.boyce@microbac.com. Any complaint about the quality of reported results may be referred to the accrediting authority if such complaints cannot be resolved directly with the customer.



Baltimore Division

2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800 Fax: 410-633-6553

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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Road

Aquasco, MD 20608

Project: Chalk Point-FGD Special Yearly

Project Number: Chalk Pt-FGD Special Yearly

Report: 17H1575

Reported: 09/12/2017 14:11

Project Manager: Greg Conden

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Туре	Date Sampled	Date Received
89-080817-Gypsum	17H1575-01	Solid	Grab	08/08/2017 08:00	08/22/2017 15:00
89-081017-Flyash	17H1575-02	Solid	Grab	08/10/2017 09:30	08/22/2017 15:00
89-081117-Bottom Ash	17H1575-03	Solid	Grab	08/11/2017 09:00	08/22/2017 15:00
89-081417-WWTP Fines	17H1575-04	Solid	Grab	08/14/2017 09:30	08/22/2017 15:00

Microbac Laboratories, Inc. - Baltimore

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Melanie C. Duszynski, Project Manager

Original Report

Page 2 of 17



Baltimore Division

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Phone: 410-633-1800 Fax: 410-633-6553

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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Road

Aquasco, MD 20608

Project: Chalk Point-FGD Special Yearly

Project Number: Chalk Pt-FGD Special Yearly

Report: 17H1575

Reported: 09/12/2017 14:11

Project Manager: Greg Conden

89-080817-Gypsum

17H1575-01 (Solid) Sampled: 08/08/2017 08:00; Type: Grab

		Reporting							
Analyte	Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
		Microba	c Laboratorie	s, Inc B	Baltimore				
Wet Chemistry									
% Solids	75.36	0.05	% by Weight		082517 1520	082817 0930	SAL	SM 2540 G-11	
Chloride	42	13	mg/kg dry		082417 0904	082417 2106	ANC/L	SW-846 9056A	Dl
pH	7.51	0.100	pH Units		082917 1038	083117 1641	RDM	SW-846 9045D	Z10b
Sulfate as SO4	500000	13000	mg/kg dry		082817 1037	082817 1328	ANC/L	SW-846 9056A	
General Chemistry									
Paint Filter Free Liquid	Negative		P/A		090817 0747	090817 0757	SRZ	SW-846 9095B	
		Microbac	Laboratories,	Inc Cl	nicagoland				
Metals									
Aluminum	360	9.3	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Antimony	ND	0.93	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Arsenic	ND	0.46	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Barium	23	0.19	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Beryllium	ND	0.046	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Boron	3.7	0.93	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Cadmium	ND	0.19	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Calcium	86000	2300	mg/Kg		083017 0653	083117 2105	BTM	SW-846 6010C	
Chromium	1.0	0.19	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Cobalt	ND	0.19	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Copper	1.8	0.46	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Iron	310	2.3	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Lead	ND	0.35	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Lithium	ND	4.6	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Magnesium	100	23	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Manganese	1.1	0.19	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Mercury	ND	0.0010	mg/L		083117 1031	090117 1350	BTM	1311/7470A	

Microbac Laboratories, Inc. - Baltimore

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Mefanie C Dusypki



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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Road Aquasco, MD 20608 Project: Chalk Point-FGD Special Yearly

Project Number: Chalk Pt-FGD Special Yearly

Project Manager: Greg Conden

Report: 17H1575

Reported: 09/12/2017 14:11

89-080817-Gypsum

17H1575-01 (Solid) Sampled: 08/08/2017 08:00; Type: Grab

Analyte	Result	Reporting Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
umiji	Result	(2) 222		200		Anatyzeu	Analyst	Method	Notes
		Microbac	Laboratories	s, Inc Cl	nicagoland				
<u>Ietals</u>									
Mercury	0.39	0.11	mg/Kg		083017 1150	083017 1443	BTM	SW-846 7471B	
Molybdenum	ND	0.93	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Nickel	ND	0.46	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Potassium	210	23	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Silver	ND	0.46	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Sodium	24	23	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Γhallium	ND	2.3	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Vanadium	0.55	0.37	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
Zinc	ND	0.93	mg/Kg		083017 0653	083017 1717	BTM	SW-846 6010C	
CLP Metals									
Arsenic	ND	0.0100	mg/L	5.00	083117 0940	083117 1816	BTM	1311/6010C	
Barium	ND	0.500	mg/L	100	083117 0940	083117 1816	BTM	1311/6010C	
Cadmium	ND	0.00200	mg/L	1.00	083117 0940	083117 1816	BTM	1311/6010C	
Chromium	ND	0.00500	mg/L	5.00	083117 0940	083117 1816	BTM	1311/6010C	
Lead	ND	0.00750	mg/L	5.00	083117 0940	083117 1816	BTM	1311/6010C	
Selenium	0.0573	0.0300	mg/L	1.00	083117 0940	083117 1816	BTM	1311/6010C	
Silver	ND	0.0100	mg/L	5.00	083117 0940	083117 1816	BTM	1311/6010C	
Silver	ND	0.0100	mg/L	5.00	083117 0940	083117 1816	BTM	1311/6010C	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Melanie C. Duszynski, Project Manager Original Report Page 4 of 17



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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Road

Aquasco, MD 20608

Project: Chalk Point-FGD Special Yearly

Project Number: Chalk Pt-FGD Special Yearly

Project Number: Chair Pt-FGD Sp Project Manager: Greg Conden Report: 17H1575

Reported: 09/12/2017 14:11

89-081017-Flyash

17H1575-02 (Solid) Sampled: 08/10/2017 09:30; Type: Grab

*******	sadrožbo go	Reporting	(www.exec)	¥ 10 10 10 10 10 10 10 10 10 10 10 10 10	No.	A 122 • 1240 •	A 2224/22	Material .	Nese
Analyte	Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
		Microba	c Laboratorie	s, Inc B	altimore				
Wet Chemistry									
% Solids	99.92	0.05	% by Weight		082517 1520	082817 0930	SAL	SM 2540 G-11	
Chloride	32	9.7	mg/kg dry		082417 0904	082417 2121	ANC/L	SW-846 9056A	DI
рН	4.01	0.100	pH Units		082917 1038	083117 1641	RDM	SW-846 9045D	Z10a
Sulfate as SO4	20000	970	mg/kg dry		082517 1244	082517 1244	ANC/L	SW-846 9056A	
			naces a militaria fa						
General Chemistry									
Paint Filter Free Liquid	Negative		P/A		090817 0747	090817 0757	SRZ	SW-846 9095B	
		Microbac	Laboratories,	Inc Ch	icagoland				
W I									
Metals					358253232	9,429, 115 s. ATE	570-781 N	nul activenes intransits	
Aluminum	13000	8.5	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Antimony	ND	0.85	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Arsenic	170	0.43	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Barium	140	0.17	mg/Kg		083017 0653	083017 1738	втм	SW-846 6010C	
Beryllium	3.4	0.043	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Boron	190	0.85	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Cadmium	0.25	0.17	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Calcium	7700	21	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Chromium	42	0.17	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Cobalt	10	0.17	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Copper	35	0.43	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Iron	48000	210	mg/Kg		083017 0653	083117 2110	BTM	SW-846 6010C	
Lead	17	0.32	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Lithium	26	4.3	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Magnesium	700	21	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Manganese	49	0.17	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Mercury	0.25	0.034	mg/Kg		083017 1150	083017 1415	BTM	SW-846 7471B	

Microbac Laboratories, Inc. - Baltimore

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Mefanie C Dusypki



Baltimore Division

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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Road

Aquasco, MD 20608

Project: Chalk Point-FGD Special Yearly

Project Number: Chalk Pt-FGD Special Yearly

Project Manager: Greg Conden

Report: 17H1575

Reported: 09/12/2017 14:11

89-081017-Flyash

17H1575-02 (Solid) Sampled: 08/10/2017 09:30; Type: Grab

		Reporting							
Analyte	Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
		Microbac	Laboratorie	s, Inc Ch	nicagoland				
Metals		19-19-19-19-19-19-19-19-19-19-19-19-19-1		The second second					
Mercury	ND	0.0010	mg/L		083117 1031	090117 1351	BTM	1311/7470A	
Molybdenum	9.5	0.85	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Nickel	32	0.43	mg/Kg		083017 0653	083017 1738	втм	SW-846 6010C	
Potassium	1900	21	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Silver	ND	0.43	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Sodium	550	21	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Thallium	ND	2.1	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Vanadium	81	0.34	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
Zinc	38	0.85	mg/Kg		083017 0653	083017 1738	BTM	SW-846 6010C	
TCLP Metals									
Arsenic	1.77	0.0100	mg/L	5.00	083117 0940	083117 1821	BTM	1311/6010C	
Barium	ND	0.500	mg/L	100	083117 0940	083117 1821	BTM	1311/6010C	
Cadmium	0.0208	0.00200	mg/L	1.00	083117 0940	083117 1821	BTM	1311/6010C	
Chromium	0.291	0.00500	mg/L	5.00	083117 0940	083117 1821	BTM	1311/6010C	
Lead	0.0399	0.00750	mg/L	5.00	083117 0940	083117 1821	BTM	1311/6010C	
Selenium	0.0524	0.0300	mg/L	1.00	083117 0940	083117 1821	BTM	1311/6010C	
Silver	ND	0.0100	mg/L	5.00	083117 0940	083117 1821	BTM	1311/6010C	

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Melanie C. Duszynski, Project Manager

Original Report

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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Road Aquasco, MD 20608 Project: Chalk Point-FGD Special Yearly Project Number: Chalk Pt-FGD Special Yearly

Project Manager: Greg Conden

Report: 17H1575

Reported: 09/12/2017 14:11

89-081117-Bottom Ash

17H1575-03 (Solid) Sampled: 08/11/2017 09:00; Type: Grab

		Reporting							
Analyte	Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
		Microba	c Laboratorie	s, Inc E	Baltimore				
Wet Chemistry			77.70						
% Solids	73.47	0.05	% by Weight		082517 1520	082817 0930	SAL	SM 2540 G-11	
Chloride	1400	130	mg/kg dry		082517 1328	082517 0950	ANC/L	SW-846 9056A	
рН	7.52	0.100	pH Units		082917 1038	083117 1641	RDM	SW-846 9045D	Z10
Sulfate as SO4	750	13	mg/kg dry		082417 0904	082417 2135	ANC/L	SW-846 9056A	2.0
	750								
General Chemistry				-					
Paint Filter Free Liquid	Negative		P/A		090817 0747	090817 0757	SRZ	SW-846 9095B	
		Microbac	Laboratories,	Inc - Ch	nicagoland				
		Microbac	Laboratories,	Inc Cl	ncagoranu				
Metals									
Aluminum	8100	9.3	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Antimony	ND	0.93	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Arsenic	23	0.46	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Barium	57	0.19	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Beryllium	1.3	0.046	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Boron	35	0.93	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Cadmium	ND	0.19	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Calcium	2900	23	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Chromium	17	0.19	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Cobalt	5.0	0.19	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Copper	11	0.46	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Iron	34000	23	mg/Kg		083017 0653	083117 2115	BTM	SW-846 6010C	
Lead	2.8	0.35	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Lithium	7.6	4.6	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Magnesium	640	23	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Manganese	53	0.19	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Mercury	ND	0.0010	mg/L		083117 1031	090117 1352	BTM	1311/7470A	

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Mefanie CDwypki



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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Road

Aquasco, MD 20608

Project: Chalk Point-FGD Special Yearly

Project Number: Chalk Pt-FGD Special Yearly

Project Manager: Greg Conden

Report: 17H1575

Reported: 09/12/2017 14:11

89-081117-Bottom Ash

17H1575-03 (Solid) Sampled: 08/11/2017 09:00; Type: Grab

		Reporting					ng si kacularan	<u> Program</u>	2000
Analyte	Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
		Microbac I	Laboratorie	s, Inc Ch	nicagoland				
Metals									
Mercury	ND	0.039	mg/Kg		083017 1150	083017 1416	BTM	SW-846 7471B	
Molybdenum	1.7	0.93	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Nickel	15	0.46	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Potassium	740	23	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Silver	ND	0.46	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Sodium	740	23	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Thallium	ND	2.3	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Vanadium	25	0.37	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
Zinc	8.1	0.93	mg/Kg		083017 0653	083017 1753	BTM	SW-846 6010C	
TCLP Metals									
Arsenic	0.0142	0.0100	mg/L	5.00	083117 0940	083117 1826	втм	1311/6010C	
Barium	ND	0.500	mg/L	100	083117 0940	083117 1826	BTM	1311/6010C	
Cadmium	ND	0.00200	mg/L	1.00	083117 0940	083117 1826	BTM	1311/6010C	
Chromium	0.00640	0.00500	mg/L	5.00	083117 0940	083117 1826	BTM	1311/6010C	
Lead	ND	0.00750	mg/L	5.00	083117 0940	083117 1826	BTM	1311/6010C	
Selenium	ND	0.0300	mg/L	1.00	083117 0940	083117 1826	BTM	1311/6010C	
Silver	ND	0.0100	mg/L	5.00	083117 0940	083117 1826	BTM	1311/6010C	

Microbac Laboratories, Inc. - Baltimore

Melanie C. Duszynski, Project Manager

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Mefanie C Dusppki



Baltimore Division

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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Road

Aquasco, MD 20608

Project: Chalk Point-FGD Special Yearly Project Number: Chalk Pt-FGD Special Yearly

Project Manager: Greg Conden

Report: 17H1575

Reported: 09/12/2017 14:11

89-081417-WWTP Fines 17H1575-04 (Solid) Sampled: 08/14/2017 09:30; Type: Grab

		Reporting	••					V d d			
Analyte	Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes		
Microbac Laboratories, Inc Baltimore											
Wet Chemistry											
% Solids	58.17	0.05	% by Weight		082517 1520	082817 0930	SAL	SM 2540 G-11			
Chloride	2900	170	mg/kg dry		082417 0904	082517 1312	ANC/L	SW-846 9056A			
рН	7.30	0.100	pH Units		082917 1038	083117 1641	RDM	SW-846 9045D	Z10		
Sulfate as SO4	330000	17000	mg/kg dry		082817 1037	082817 1439	ANC/L	SW-846 9056A			
Complete the second											
General Chemistry											
Paint Filter Free Liquid	Negative		P/A		090817 0747	090817 0757	SRZ	SW-846 9095B			
		Microbac	Laboratories,	Inc Cl	nicagoland						
Metals											
9072		0.5	ar.		083017 0653	083017 1758	втм	SW-846 6010C			
Aluminum	7900	93	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Antimony	ND	9.3 4.7	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Arsenic Barium	16 150	1.9	mg/Kg mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Beryllium	ND	0.47	mg/Kg		083017 0653	083017 1758	втм	SW-846 6010C			
Boron	370	9.3	mg/Kg		083017 0653	083017 1758	втм	SW-846 6010C			
Cadmium	ND	1.9	mg/Kg		083017 0653	083017 1758	втм	SW-846 6010C			
Calcium	89000	230	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Chromium	47	1.9	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Cobalt	6.0	1.9	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Copper	36	4.7	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Iron	17000	23	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Lead	8.1	3.5	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Lithium	ND	47	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Magnesium	4300	230	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Manganese	830	1.9	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Mercury	34	7.5	mg/Kg		083017 1150	083017 1454	BTM	SW-846 7471B			

Microbac Laboratories, Inc. - Baltimore

Melanie C. Duszynski, Project Manager

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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Road Aquasco, MD 20608 Project: Chalk Point-FGD Special Yearly

Project Number: Chalk Pt-FGD Special Yearly

Project Manager: Greg Conden

Report: 17H1575

Reported: 09/12/2017 14:11

89-081417-WWTP Fines

17H1575-04 (Solid) Sampled: 08/14/2017 09:30; Type: Grab

		Reporting									
Analyte	Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes		
Microbac Laboratories, Inc Chicagoland											
Metals											
Mercury	ND	0.0010	mg/L		083117 1031	090117 1413	BTM	1311/7470A			
Molybdenum	ND	9.3	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Nickel	78	4.7	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Potassium	5200	230	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Silver	ND	4.7	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Sodium	620	230	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Thallium	ND	23	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Vanadium	16	3.7	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
Zinc	50	9.3	mg/Kg		083017 0653	083017 1758	BTM	SW-846 6010C			
TCLP Metals											
Arsenic	0.0190	0.0100	mg/L	5.00	083117 0940	083117 1705	BTM	1311/6010C			
Barium	ND	0.500	mg/L	100	083117 0940	083117 1705	BTM	1311/6010C			
Cadmium	0.0200	0.00200	mg/L	1.00	083117 0940	083117 1705	BTM	1311/6010C			
Chromium	0.0492	0.00500	mg/L	5.00	083117 0940	083117 1705	BTM	1311/6010C			
Lead	ND	0.00750	mg/L	5.00	083117 0940	083117 1705	BTM	1311/6010C			
Selenium	0.0823	0.0300	mg/L	1.00	083117 0940	083117 1705	BTM	1311/6010C			
Silver	ND	0.0100	mg/L	5.00	083117 0940	083117 1705	BTM	1311/6010C			

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Melanie C. Duszynski, Project Manager

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Florida - NELAC

No certification exceptions

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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

Project: Chalk Point-FGD Special Yearly

Project Number: Chalk Pt-FGD Special Yearly

Aquasco, MD 20608

Project Manager: Greg Conden

All analysis performed were analyzed under the required certification unless otherwise noted in the above summary.

Project Requested Certification(s):

Analyte Certification Exception Summary

Microbac Laboratories, Inc. - Baltimore

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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Road

Aquasco, MD 20608

Project: Chalk Point-FGD Special Yearly

Project Number: Chalk Pt-FGD Special Yearly

Project Manager: Greg Conden

Report: 17H1575

Reported: 09/12/2017 14:11

Certification List

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

Code	Description	Certification Number	Expires
Microbac Labo	oratories, Inc Baltimore		
A2LA1	A2LA (Biology)	410.02	04/30/2019
A2LA2	A2LA (Environmental)	410.01	04/30/2019
VA-B	Commonwealth of Virginia (NELAC) - Baltimore	460285	03/14/2018
CPSC	CPSC Testing of Childrens Products and Jewelry	410.01	04/30/2019
Pb	Environmental Lead (ELLAP)	410.01	04/30/2019
FL	Florida - NELAC	E871126	06/30/2018
MD	State of Maryland (Drinking Water)	109	06/30/2018
WV	West Virginia	054	08/31/2018
Microbac Labo	ratories, Inc Chicagoland		
A2LA-B	A2LA (Biology)	3045.01	09/30/2018
A2LA-C	A2LA (Chemistry)	3045.02	09/30/2018
A2LA_	A2LA ISO/IEC 17025 Biological Testing (a)	3045.01	09/30/2018
A2LA	A2LA ISO/IEC 17025 Env. DoD Testing (b)	3045.02	09/30/2018
CDC-ELITE	Center of Disease Control Legionella ELITE Membership (d	c)	12/01/2017
ILDPH	Illinois DOPH Micro analysis of drinking water (e)	1755266	12/31/2019
ILEPA	Illinois EPA drinking water, wastewater and solid waste ana	ly:200064	05/31/2018
INSDH	Indiana SDH chemical analysis of drinking water (g)	C-45-03	12/31/2019
INDH	Indiana SDH Micro analysis of drinking water (f)	M-45-8	12/31/2019
ISBOAH	Indiana State Board of Animal Health for microbiological an	al 18137	03/31/2019
KSDOH	Kansas Dept Health & Env. NELAP (i)	E-10397	01/31/2018
KYEPP	Kentucky EPPC analysis Underground Storage Tanks (k)	75	01/31/2018
KYDEP	Kentucky Wastewater Laboratory Certification Program (j)	90147	12/31/2017
NYDOH	New York State Department of Health Wadsworth (m)	12006	04/01/2018
NCDEN	North Carolina DENR NPDES effluent, surface water (I)	597	12/31/2017
PADEP	Pennsylvania Department of Environmental Protect (n)	68-04863	07/31/2018
USDAS	USDA Permit To Receive Soil (-)	P330-13-00270	10/17/2019
CGL-VA	VA NELAP	460280	06/14/2018
VELAP	Virginia Department of General Services Division of Consol	id 7990	06/15/2018

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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

25100 Chalk Point Boad

25100 Chalk Point Road Aquasco, MD 20608 Project: Chalk Point-FGD Special Yearly

Project Number: Chalk Pt-FGD Special Yearly

Project Manager: Greg Conden

Report: 17H1575

Reported: 09/12/2017 14:11

Microbac Laboratories, Inc. - Richmond

VA-R

Commonwealth of Virginia (NELAC) - Richmond

460022

06/14/2018

Microbac Laboratories, Inc. - Baltimore

Mefanie C Dusypki

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Melanie C. Duszynski, Project Manager

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CERTIFICATE OF ANALYSIS

NRG Energy - Chalk Point Gen. Sta.

Project: Chalk Point-FGD Special Yearly

Report: 17H1575

25100 Chalk Point Road

Project Number: Chalk Pt-FGD Special Yearly

Reported: 09/12/2017 14:11

Aquasco, MD 20608

Project Manager: Greg Conden

Qualifiers/Notes and Definitions

General Definitions:

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

dry

Sample results reported on a dry weight basis

RPD

Relative Percent Difference

Analysis Qualifiers/Notes:

Microbac Laboratories, Inc. - Baltimore

Z10b

pH@23.9°C

Z10a

pH@23.7°C

Z10

pH@23.6°C

D1

Sample required dilution due to matrix.



Baltimore Division

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Cooler Receipt Log

Cooler ID: Default Cooler		Cooler Temp: 1.40°C Work Order: 17H1575
Custody Seals Intact:	Yes	COC/Containers Agree: Yes
Containers Intact:	Yes	Correct Preservation: Yes
Received On Ice:	Yes	Correct Number of Containers Received: Yes
Radiation Scan Acceptable:	Yes	Sufficient Sample Volume for Testing: Yes
COC Present:	Yes	Samples Received in Proper Condition: Yes
		502 1-41

Comments:

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	ack.	ê								17H1575			se	onl	ν.					18		7
	cord on be	(Require	٥	at	Comments:		,			17111075	_		٧	PAGIA	,.		,		ı		5	\geq
mber:	Page / of /	QC and EDD Type (Required)	[] Level I (NAC) [] EDD					478	W), Waste Water (WW), Other	Comments	SM(20) 4500 Cl-CM	NETH 25/6-09(M)	ERAGOUS	EPA GOIOBISW84	Comme abalonos	ENA 9095	RAMDOYAN		m [1Archive		Printed Name/Affiliation	When the Printed
Work Order Number:	Instructions for comp	Turnaround Time	siness Days)	By:	prior to drop off.		Phone # 301-843	1-848-108	(GW), Surface Water (SW),	Reguested Analysis	111	7	7	1	4 1				Dispose as appropriate [1] Return	<u>ē</u>	Redelyed By (s)gnature)	McCute By (signature
	Chain of Custody Record	Turns	(ソ M Standard (7 Business Days)	[] RUSH* Needed By:	* Please notify lab prior to drop off		Sampler Phone #	[] Telephone (J/Fax (fax #)	Water (DW), Groundwater (GW)	Chlorides Sulfale as Sout	7 7 7	7 7	7 7 7	7 7 7 7						S. S.	21.01	ime Recent
21224	of Custo	4/1/4	i willer] No			[] Mail []Te	Drinking	No. of Containers	1 00	1 09	/ 00	1 08		5. J			Sample Disposition	Date/Time	-	Date/Time
0 212	Chain	Project SOUN FIL	- Frodomin		Compliance Monitoring? MYes [] No	ram	ural / H		1 (S), Oil(O), Wipe(WI),	Date Collected	8-8-17 0300	8-10-17 0930	8-11-0 10900	08/10/11 0/30					Radioactive	Printed Name/Affiliation	Printed Name/Affiliation	Priging Name/Affiliation
imore		150	ϕ on G	nig Little Dukiya	lance	(1)Agency/Program	Sampler Signature		oil/Solic	Filtered					\dagger	1	1	\dagger				WHITE
, Balt	23	Projec	Location	# Od	Compl	(1)Ager	npler		(P), So	Composite							- 1		Zardot	nature	nature	nature
Deman St, F 410-633-1800	410-633-6553 obac.com	15	yla" i	100	100				Paint	Grab	>	7	7	7			9		// Non-Hazardous	y (sign	y (sign	Bis
410-6	410-6 robac.	ant	P	2000P	3		300		ood(F)	***xirtsM	5	S	5	S		\perp			es es esperante de la companya de la	2	shed B	Thed B
2101 Van Deman St, Baltimore, MI	Fax: 410-633-6: www.microbac.com	Client NameNRG-EARCGU-CHOLLE Part	Address 85700 One 16 Point Reed	City, State, Zip Agel CO. O. M. A.	_	201-843-4170	Sampled by (PRINT) MITON NOUN EV	ia We-mail (address) AREO	*** Matrix Types: Air(A), Childrens Product(CP), Food(F), Paint(P), Soil/Solid (S), Oil	Client Sample ID	17- Cupsum-1	7- Ayash - 2	7-BoHMAN-3	89-08 147-WWITPFINES -4	1		3	12.2	Possible Hazard Identification [1] Hazardous		>	Retrigerated from Client (Yes / No Retringuished BY Rignature)
Ø MIC		Client Name N	Address 857	City, State, Zip	Contact GMC	Telephone #	Sampled by (P	Send Report via	*** Matrix Type		-68080-68	10180-68	89-031117	89-08 14			J-10 (2)		Possible Haza			Sefrigerated fro

Cooler Receipt Form / Sample Acceptance & Noncompliance Form

Microbac Laboratories, Inc., Baltimore Division Control # 606-03 Effective Date: 11/30/2016 Page 1 of 1

Number of Co	elers Rece		1		Receipt Date / Time:	8/22/17 15
Client: NR			hall	paint	Work Order # 17 H	1575
Form Comple	ted By: 6	corse	61136	7.09 on		
Shipper:			20	/.	Microbac [Client UPS FedEx
Custody Tap	e Intact:				(YES/NO/N	IA
Containers Ir					(YES) NO	
Sample Rece	ived on Ice	e or refrio	erated.		(ES)NO/N	T.A.
		o or remig	cratea.		\ /	,
Chain of Cus	tody Prese	nt with ch	inmont			Temperature: <u>1. Y</u> °C
Sample Bottl	e IDs acre	a with CC	iipinent.		YES NO	
Preservation	c IDS agic	e with CC	C:		VES NO	
Preservation	requiremen	nts met:			YES/NO/N	
Correct Num	ber of Con	tainers / S	Sample '	Volume:	(YES)NO (If)	No contact client immediately)
Headspace in		:			YES/NO/N	A)
Type of Samp	ole:					Wipes Oil Filter Solid
					Sludge Food	Swab Other
Container Type / Qui			Sugar			Thington his balls of the second of the seco
A - Unpreserved			HCl	NaOH	NaOH/Ascorbic Acid:	If preserved pH <2/pH >10
B - 4 Unpreserved	MAN BOWER CHIEF CONTROL CONTROL	THE RESERVE OF THE ABOVE THE CONTROL OF THE CONTROL	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2// pH >10
C - Unpreserved	H2SO4	HNO3	HCI	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
D Unpreserved	H2SO4	HNO3	HCI	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
E Unpreserved H - Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
H Unpreserved K Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
L - Unpreserved	H2SO4	HNO3	HCI	NaOH NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
M- Unpreserved	H2SO4	HNO3	HCI	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
P - Unpreserved	H2SO4	HNO3	HCI	NaOH	NaOH/Ascorbic Acid NaOH/Ascorbic Acid	If preserved pH <2, pH >10
W- Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10 If preserved pH <2, pH >10
V - Unpreserved	HCl		corbic Ac		1/NaTHIO (Checked at ti	me of Analysis)
F - Unpreserved	NaTHIO	(Checked	at time o	f Analysis)		
S Unpreserved		(Checked				
SN Unpreserved	NaTHIC	NaTH	O/EDTA	(Checked	at time of Analysis)	
Unpreserved	H2SO4	HNO3	HCI	NaOH	NaOH/Ascorbic Acid	If processed all (2) all >10
Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10 If preserved pH <2, pH >10
Unpreserved	H2SO4	HNO3	HCI	NaOH	NaOH/Ascorbic Acid	If preserved pH <2 , pH >10
Describe preservation						
All Acid preserved <2	PH .	NaOH pres			All others >2 and <10 (us	sually 4-8)
Sample ID:		THE RESERVE OF THE PARTY OF THE	HNO ₃ 1		mls added	
Sample ID:			HNO ₃ 1		mls added	
Sample ID:			HNO ₃ N		mls added	
		ric Acid N	HNU ₃ I	NaUH	mls added	NaTHIO - Sodium Thiosulfate
112504 - Suljuric Acia,	HNO3 - NII	ric Acia, No	IOH – So	aium Hyarc	xide, ASC – Ascorbic Acid,	NaTHIO - Sodium Thiosulfate
Describe Anomal	ies:					
100 A 100						
					ISSNOTAL TO COME IS NO REPORT OF THE COME COME COME.	21.402.102.102.102.102.102.102.102.102.102.1
Contact informati						
			Conta	ct:	Contact I	By:
Comments:						